CLAIMS:

- 1. A computer method for rendering a stroboscopic representation from images in a video sequence, comprising the steps of:
- (a) separating the images into a background portion and a foreground portion, resulting in a background sequence and a foreground sequence;
- (b) selecting from the foreground sequence at least one feature to be included in the stroboscopic sequence, resulting in a foreground selected sequence;
- (c) synthesizing the background sequence and the foreground selected sequence, resulting in a synthesized sequence; and
 - (d) rendering the stroboscopic representation from the synthesized sequence.
 - 2. The method of claim 1, wherein the images are from a fixed field of view.
- 3. The method of claim 1, wherein separating comprises estimating camera motion in making the video sequence.
- 4. The method of claim 1, wherein separating comprises using camera parameters in making the video sequence.
- 5. The method of claim 4, wherein the camera parameters have been obtained by sensors.
 - 6. The method of claim 1, wherein selecting is at a fixed frame interval.
 - 7. The method of claim 1, wherein selecting is at clocked time intervals.
 - 8. The method of claim 1, wherein selecting is at specified background locations.
 - 9. The method of claim 1, wherein selecting is at specified foreground events.

- 10. The method of claim 1, wherein selecting comprises accepting input for the feature to be selected.
- 11. The method of claim 1, wherein synthesizing comprises choosing a field of view for the stroboscopic representation.
- 12. The method of claim 11, wherein the field of view is the same as original field of view.
- 13. The method of claim 11, wherein the field of view is greater than original field of view.
- 14. The method of claim 13, wherein the field of view encompasses all of a foreground movement.
- 15. The method of claim 11, wherein the field of view is less than original field of view.
- 16. The method of claim 1, wherein rendering comprises generating the stroboscopic representation as a still image.
- 17. The method of claim 16, wherein rendering further comprises converting the still image to video.
 - 18. The method of claim 17, wherein converting comprises scanning.
- 19. The method of claim 18, wherein scanning comprises accepting input for at least one scanning parameter.
 - 20. The method of claim 19, wherein the scanning parameter is one of scanning

direction, scanning speed and focal length.

- 21. The method of claim 19, wherein the input is from a joy stick device.
- 22. The method of claim 1, wherein rendering comprises generating the stroboscopic representation as a video including multiple representations of at least one foreground feature frozen at triggering instants.
- 23. The method of claim 22, wherein rendering further comprises including a trace of the feature between the multiple representations.
- 24. The method of claim 1, wherein rendering comprises placing multiple representations of at least one foreground feature against a background, with the representations being spaced apart according to a function of time.
- 25. The method of claim 24, wherein the representations are spaced apart on account of their actual spatial travel.
- 26. The method of claim 24, wherein the representations are spaced apart other than on account of their spatial travel, spatially unrolling their action.
- 27. The method of claim 24, wherein the representations are shown over an actual background.
- 28. The method of claim 24, wherein the representations are shown over a synthetic background.
- 29. The method of claim 1, wherein rendering comprises controlling foreground feature persistency.

- 30. The method of claim 29, wherein controlling is for older representations of a foreground feature as a function of time to appear increasingly transparent.
- 31. The method of claim 1, wherein rendering comprises assigning a distinctive brightness/color to at least one foreground feature.
- 32. The method of claim 31, wherein the brightness/color is selected as a function of time.
- 33. The method of claim 1, wherein rendering comprises 3-dimensional reconstruction of the stroboscopic representation.
 - 34. The method of claim 1, wherein the video sequence is of a sports event.
- 35. The method of claim 1, further comprising broadcasting the stroboscopic representation.
- 36. The method of claim 1, further comprising delivering the stroboscopic representation over the Internet.
- 37. A system for rendering a stroboscopic representation from images in a video sequence, comprising:
- (a) means for separating the images into a background portion and a foreground portion, resulting in a background sequence and a foreground sequence;
- (b) means for selecting from the foreground sequence at least one feature to be included in the stroboscopic sequence, resulting in a foreground selected sequence;
- (c) means for synthesizing the background sequence and the foreground selected sequence, resulting in a synthesized sequence; and
- (d) means for rendering the stroboscopic representation from the synthesized sequence.

- 38. A system for rendering a stroboscopic representation from images in a video sequence, comprising a processor which is instructed for:
- (a) separating the images into a background portion and a foreground portion, resulting in a background sequence and a foreground sequence;
- (b) selecting from the foreground sequence at least one feature to be included in the stroboscopic sequence, resulting in a foreground selected sequence;
- (c) synthesizing the background sequence and the foreground selected sequence, resulting in a synthesized sequence; and
 - (d) rendering the stroboscopic representation from the synthesized sequence.